CLAIM AMENDMENTS

1. (Currently Amended) A computer-readable storage medium

encoded with instructions that, when executed, direct a computer to perform a

method, the method comprising:

requesting media content at an accelerated bit rate from a source, the

accelerated bit rate being a rate that exceeds a normal playback rate;

receiving a media stream at the accelerated bit rate, wherein the media

stream is an uninterrupted data stream of the media content that has no

intentionally dropped data; and

rendering all content in the media stream at the accelerated bit rate.

2. (Currently Amended) A computer-readable storage medium as

recited in claim 1, wherein the media stream comprises a video stream and an

audio stream, the rendering comprising:

processing the video stream and the audio stream through a playback

filter graph at the accelerated bit rate; and

implementing a pitch adjustment algorithm within the playback filter graph

to process the audio stream.

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3. (**Previously Presented**) A computer-readable storage medium as recited in claim 2, wherein the media stream further comprises a non-video/nonaudio data stream synchronized to the video stream and the audio stream, the rendering further comprising processing the non-video/non-audio data stream at synchronized locations within the video stream and the audio stream.

4. (**Previously Presented**) A computer-readable storage medium as recited in claim 3, wherein the non-video/non-audio data stream includes data selected from the group comprising:

script commands;

metadata; and

captions.

5. (**Previously Presented**) A computer-readable storage medium as recited in claim 1, wherein the method further comprises:

receiving a degraded media stream at a reduced rate, wherein the degraded media stream includes a subset of data from the media stream; and rendering the degraded media stream at the reduced rate.

6. (**Previously Presented**) A computer-readable storage medium as recited in claim 5, wherein the degraded media stream comprises a video stream

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that has dropped video frames and wherein an audio stream of the media stream has been dropped.

7. (Previously Presented) A computer-readable storage medium as

recited in claim 1, wherein the source is selected from the group comprising:

a streaming media server; and

a local storage medium.

8. (Previously Presented) A computer comprising the computer-

readable storage medium as recited in claim 1.

9. (Currently Amended) A computer-readable storage medium

encoded with instructions that, when executed, direct a computing system to

perform a method comprising:

receiving previously stored, non-live media content via a media stream;

determining a source of the media stream;

determining if the source can deliver the media stream at an accelerated

bit rate designated by a user; and

enabling and disabling variable play speed controls depending on the

source and on whether the source can deliver the media stream at the

accelerated bit rate.

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10. (Currently Amended) A computer-readable storage medium as recited in claim 9, wherein the enabling and disabling comprises enabling the variable play speed controls such that play speeds cannot exceed a maximum accelerated <u>bit_rate</u> at which the source can deliver the media stream without

intentionally dropping portions of the media content.

11. (Currently Amended) A computer-readable storage medium as

recited in claim 9, wherein the determining if the source can deliver the media

stream at an accelerated bit rate comprises determining an average data delivery

rate from the source.

12. (Currently Amended) A computer-readable storage medium as

recited in claim 9, wherein the method further comprises enabling the variable

play speed controls if the source is a streaming media server capable of

delivering the media stream at the accelerated bit rate.

13. (Currently Amended) A computer-readable storage medium as

recited in claim 9, wherein the method further comprises:

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disabling variable play speed controls in an accelerated playback range if

the source is a streaming media server that is not capable of delivering the

media stream at the accelerated bit rate; and

enabling variable play speed controls in a decelerated playback range.

14. (Currently Amended) A computer-readable storage medium as

recited in claim 9, wherein the method further comprises disabling the variable

play speed controls if the source is a Web web server delivering the media

stream as a progressively downloaded file.

15. (Currently Amended) A computer-readable storage medium as

recited in claim 14, wherein the method further comprises enabling the variable

play speed controls after the media stream is completely downloaded from the

Web web server.

16. (Previously Presented) A computer-readable storage medium as

recited in claim 9, wherein the method further comprises enabling the variable

play speed controls if the source is a local media source.

17. (Currently Amended) A computer-readable storage medium as

recited in claim 9, wherein the method further comprises playing back the media

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stream at the accelerated <u>bit_rate</u>, wherein the playing back includes rendering

all content within the media stream.

18. (**Previously Presented**) A computer-readable storage medium as

recited in claim 9, wherein the enabling and the disabling comprise altering

graphical representations of the variable play speed controls on a graphical user

interface.

19. (**Previously Presented**) A computer-readable storage medium as

recited in claim 9, wherein the variable play speed controls include:

a play speed control configured to vary a playback rate of the media

stream between a rate that is less than a real time rate and a rate that greater

than the real time rate;

a fast forward control configured to increase the playback rate of the

media stream to a rate that exceeds the real time rate;

a rewind control configured to decrease the playback rate of the media

stream to a negative rate;

a seek control configured to access a particular playback location within

the media stream;

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a next frame control configured to step the playback rate of the media stream forward one video frame at a time; and

a previous frame control configured to step the playback rate of the media stream backward one video frame at a time.

20. (Currently Amended) A computer-readable storage medium as recited in claim 9, wherein the source is selected from a group comprising:

local media;

a streaming media server; and

a Web web server.

21. (Previously Presented) A computer-readable storage medium as recited in claim 9, wherein the media stream comprises data selected from the group comprising:

audio data;

video data;

script commands;

text captions; and

metadata.

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22. (Previously Presented) A computer comprising the computer-

readable storage medium as recited in claim 9.

23. (Currently Amended) A computer-readable storage medium

encoded with instructions that, when executed, direct a computing system to

perform a method, the method comprising:

sending a request to a media source to stream media content from a

media file at a non-real-time bit rate; and

determining if the media source and a network link can support the non-

real-time bit rate without intentionally dropping data from the media content;

and

if in an even that the media source and a the network link can

support the non-real-time bit rate,

enabling a variable play speed control of a client device; and

receiving and playing back the media content at the non-real-

time rate-;

in an even that the media source and the network link cannot

support the non-real-time bit rate,

disabling the variable play speed control of the client device;

caching the media stream at the client device; and

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re-enabling the variable play speed control once the cached

media stream can enable the non-real-time bit rate.

24. (Currently Amended) Α computer-readable storage

medium as recited in claim 23, wherein the non-real-time bit_rate is a rate

selected from the group comprising:

an accelerated bit rate; and

a decelerated bit rate.

(Currently Amended) A 25. computer-readable storage

medium as recited in claim 23, wherein the non-real-time bit rate is an

accelerated bit rate, and wherein the method further comprises:

determining that the media source and/or the network link cannot support

the accelerated <u>bit</u> rate without intentionally dropping data from the media

content; and

sending a request to the media source to drop data from the media

content and to stream remaining media content from the media file.

26. (Currently Amended) A computer-readable storage medium as

recited in claim 25, wherein the remaining media content is streamed from the

media source within a period of time equal to a period of time that would be

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needed to stream all the media content from the media source at the accelerated

bit rate.

27. (**Previously Presented**) A computer-readable storage medium as

recited in claim 25, wherein data dropped from the media content is selected

from the group comprising:

an audio data stream;

video frames from a video data stream; and

a non-video/audio data stream.

28. (Currently Amended) A computer-readable storage medium as

recited in claim 23, wherein the non-real-time bit rate is an accelerated bit rate,

and wherein the method further comprises:

determining that the media source and/or the network link cannot support

the accelerated bit rate without intentionally dropping data from the media

content; and

in response to determining that the media source and/or the network link

cannot support the accelerated bit rate without intentionally dropping data from

the media content, sending a request to the media source to stream the media

content stream from the media file at a normal real-time bit rate.

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29. (Previously Presented) A computer comprising the computer-

readable storage medium as recited in claim 23.

30. (Currently Amended) A computer-readable storage medium

encoded with instructions that, when executed, direct a computing system to

perform a method comprising:

streaming a media stream to a client at a real time rate;

receiving a request from the client to deliver the media stream at an

accelerated bit rate; and

delivering the media stream to the client at the accelerated bit rate,

wherein no data is intentionally dropped from the media stream to achieve the

accelerated <u>bit</u> rate.

31. (Currently Amended) A computer-readable storage medium as

recited in claim 30, wherein the method further comprises:

determining that a network link cannot support the accelerated bit rate

without dropping data from the media stream; and

delivering the media stream to the client at a reduced bit rate that is less

than the accelerated bit rate without dropping data from the media stream.

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32. (Currently Amended) A computer-readable storage medium as

recited in claim 30, wherein the method further comprises:

determining that a network link cannot support the accelerated bit rate;

delivering the media stream to the client at a reduced rate that is less than

the accelerated bit rate; and

while delivering the media stream to the client user at the reduced rate,

dropping data from the media stream.

33. (**Previously Presented**) A streaming media server comprising the

computer-readable storage medium as recited in claim 30.

34. (Currently Amended) A media player comprising variable play

speed controls configured to vary playback speed of a media stream depending

on a source of the media stream and on whether the source can deliver the

media stream at a requested <u>bit_rate</u>, without intentionally dropping data from

the media steam to enable delivering the media stream at the requested rate.

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35. (Currently Amended) A media player as recited in claim 34, further comprising a playback module configured to enable or disable the variable play speed controls depending on the source and on whether the source can deliver the media stream at the an accelerated bit rate, the playback module additionally configured to determine the source and whether the source can deliver the media stream at a requested rate.

36. (Original) A media player as recited in claim 34, further comprising a graphical user interface (GUI) module configured to support a GUI that presents the variable play speed controls to a user and enables the user to activate the variable play speed controls.

37. (Original) A media player as recited in claim 34, further comprising an application programming interface configured to expose the variable play speed controls to programmatic control of a custom application program.

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38. (Original) A media player as recited in claim 34, wherein the

variable play speed controls are selected from the group comprising:

a play speed control configured to vary a playback rate of the media

stream between a rate that is less than a real time rate and a rate that greater

than the real time rate;

a fast forward control configured to increase the playback rate of the

media stream to a rate that exceeds the real time rate;

a rewind control configured to decrease the playback rate of the media

stream to a negative rate;

a seek control configured to access a particular playback location within

the media stream;

a next frame control configured to step the playback rate of the media

stream forward one video frame at a time; and

a previous frame control configured to step the playback rate of the media

stream backward one video frame at a time.

39. (**Original**) A computer comprising the media player as recited in

claim 34.

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40. (**Currently Amended**) A media player comprising:

controls for varying playback speed of a media stream, the controls

comprising:

a play speed control configured to vary a playback rate of the media

stream between a rate that is less than a real time rate and a rate that is

greater than the real time rate;

a fast forward control configured to increase the playback rate of

the media stream to a rate that exceeds the real time rate;

a rewind control configured to decrease the playback rate of the

media stream to a negative rate;

a seek control configured to access a particular playback location

within the media stream;

a next frame control configured to step the playback rate of the

media stream forward one video frame at a time; and

a previous frame control configured to step the playback rate of the

media stream backward one video frame at a time; and

a playback module configured to enable and disable the controls to reflect

a current play speed control capability, the current play speed control capability

determined by the playback module according to a source of the media stream

and whether the source can deliver the media stream at an accelerated bit rate

<u>designated by a user</u> without intentionally dropping data from the media stream.

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41. (Currently Amended) A media player as recited in claim 40, further comprising a playback module configured to enable and disable the controls to reflect a current play speed control capability, the current play speed control capability determined by the playback module according to a source of the media stream and whether the source can deliver the media stream at an accelerated bit rate.

42. (Original) A media player as recited in claim 40, further

comprising a graphical user interface (GUI) module configured to support a GUI

graphical that presents the controls to a user and enables the user to activate

the controls.

43. (Original) A media player as recited in claim 40, further

comprising an application programming interface configured to expose the

controls to programmatic control of a custom application program.

44. (Original) A computer comprising the media player as recited in

claim 40.

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means for requesting media content at an accelerated bit rate from a

source;

means for receiving a media data stream from the source at the

accelerated bit rate, wherein the media data stream has no intentionally dropped

data of the media content; and

means for rendering all content in the media data stream at the

accelerated bit rate.

46. (Currently Amended) A computer as recited in claim 45, wherein

the media data stream comprises a video data stream, an audio data stream,

and a non-video/audio data stream synchronized to the video data stream, the

means for rendering further comprising:

means for processing the video data stream and the audio data stream

through a playback filter graph at the accelerated bit rate;

means for implementing a pitch adjustment algorithm within the playback

filter graph to process the audio data stream; and

means for processing the non-video/audio data stream at synchronized

locations within the video data stream.

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47. (Original) A computer as recited in claim 45, further comprising:

means for receiving a degraded media data stream at a reduced rate,

wherein the degraded media data stream includes a subset of data from the

media data stream; and

means for rendering the degraded media data stream at the reduced rate.

48. (Currently Amended) A computer comprising:

means for receiving a media stream;

means for determining a source of the media stream;

means for determining if the source can deliver the media stream at an

accelerated bit rate without intentionally dropping data from the media stream;

and

means for enabling and disabling variable play speed controls depending

on the source and on whether the source can deliver the media stream at the

accelerated bit rate.

49. (Currently Amended) A computer as recited in claim 48, wherein

the means for enabling and disabling comprises means for enabling the variable

play speed controls such that play speeds cannot exceed the accelerated bit rate

at which the source can deliver the media stream.

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50. (Currently Amended) A computer as recited in claim 48, wherein

the means for determining if the source can deliver the media stream at an

accelerated bit rate comprises means for determining an average data delivery

rate from the source.

51. (Currently Amended) A computer as recited in claim 48, further

comprising means for enabling the variable play speed controls if the source is a

streaming media server capable of delivering the media stream at the

accelerated bit rate.

52. (Currently Amended) A computer as recited in claim 48, further

comprising:

means for disabling variable play speed controls in an accelerated playback

range if the source is a streaming media server that is not capable of delivering

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the media stream at the accelerated bit rate; and

means for enabling variable play speed controls in a decelerated playback

range.

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53. (Currently Amended) A computer as recited in claim 48, further comprising means for disabling the variable play speed controls if the source is a

Web web server delivering the media stream as a progressively downloaded file.

54. (Currently Amended) A computer as recited in claim 53, further

comprising means for enabling the variable play speed controls after the media

stream is completely downloaded from the Web web server.

55. (Original) A computer as recited in claim 48, further comprising

means for enabling the variable play speed controls if the source is a local media

source.

56. (Currently Amended) A computer as recited in claim 48, further

comprising means for playing back the media stream at the accelerated bit rate,

wherein the playing back includes rendering all content within the media stream.

57. (**Original**) A computer as recited in claim 48, further comprising

means for altering a graphical user interface having representations of the

variable play speed controls to reflect the enabling and the disabling of the

variable play speed controls.

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58. (Original) A computer as recited in claim 48, wherein the variable

play speed controls include:

a play speed control configured to vary a playback rate of the media

stream between a rate that is less than a real time rate and a rate that greater

than the real time rate;

a fast forward control configured to increase the playback rate of the

media stream to a rate that exceeds the real time rate;

a rewind control configured to decrease the playback rate of the media

stream to a negative rate;

a seek control configured to access a particular playback location within

the media stream;

a next frame control configured to step the playback rate of the media

stream forward one video frame at a time; and

a previous frame control configured to step the playback rate of the media

stream backward one video frame at a time.

59. (Currently Amended) A computer comprising:

means for sending a request to a media source to stream media content

from a media file at a non-real-time bit rate;

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means for determining if the media source and a network link can support

the non-real-time bit rate without intentionally dropping data from the media

content; and

means for receiving and playing back the media content at the non-real-

time <u>bit</u> rate if the media source and a network link can support the non-real-

time rate without intentionally dropping data from the media content.

60. (Currently Amended) A computer as recited in claim 59, wherein

the non-real-time bit rate is a rate selected from the group comprising:

an accelerated bit rate; and

a decelerated bit rate.

61. (Currently Amended) A computer as recited in claim 59, wherein

the non-real-time rate is an accelerated <u>bit</u> rate, the computer further

comprising:

means for determining that the media source and/or the network link

cannot support the accelerated bit rate without dropping data from the media

content; and

means for sending a request to the media source to drop data from the

media content and to stream remaining media content from the media file.

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62. (Original) A computer as recited in claim 61, wherein data

dropped from the media content is selected from the group comprising:

an audio data stream;

video frames from a video data stream; and

a non-video/audio data stream.

63. (Currently Amended) A computer as recited in claim 59, wherein

the non-real-time bit rate is an accelerated bit rate, the computer further

comprising:

means for determining that the media source and/or the network link

cannot support the accelerated bit rate without intentionally dropping data from

the media content; and

means for sending a request to the media source to stream the media

content stream from the media file at a normal real-time rate.

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64. (Currently Amended) A streaming media server comprising:

means for streaming a media stream to a client at a real time rate;

means for receiving a request from the client to deliver the media stream

at an accelerated bit rate; and

means for delivering the media stream to the client at the accelerated bit

rate, without intentionally dropping data to achieve the accelerated bit rate.

65. (Currently Amended) A streaming media server as recited in

claim 64, further comprising:

means for determining that a network link cannot support the accelerated

bit rate; and

means for delivering the media stream to the client at a reduced rate that

is less than the accelerated bit rate.

66. (Currently Amended) A streaming media server as recited in

claim 64, further comprising:

means for determining that a network link cannot support the accelerated

bit rate;

means for delivering the media stream to the client at a reduced bit rate

that is less than the accelerated bit rate; and

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means for dropping data from the media stream while delivering the media

stream to the client user at the reduced bit rate.

67. (Currently Amended) A streaming media server comprising a

variable speed streaming module configured to receive a request to stream

media content at an accelerated bit rate and to stream the media content at the

accelerated bit rate without dropping any data from the media content, the

accelerated bit rate being a rate that exceeds a real time playback rate of the

media content.

68. (Original) A streaming media server as recited in claim 67,

wherein the variable speed streaming module is further configured to control

variable play speed controls of a media player executing on a client computer.

69. (Currently Amended) A method comprising:

rendering a stream of media at a real time playback rate;

receiving a request to render the stream of media an accelerated bit rate;

sending a request to have the stream of media delivered at the

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accelerated bit rate;

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receiving the stream of media at the accelerated bit rate, wherein the

stream of media that is received at the accelerated bit rate has no intentionally

dropped data; and

rendering the stream of media at the accelerated bit rate.

70. (Currently Amended) A method as recited in claim 69, wherein

the media stream comprises a video stream and an audio stream and wherein

rendering comprises:

processing the video stream and the audio stream through a playback

filter graph at the accelerated bit rate; and

implementing a pitch adjustment algorithm within the playback filter graph

to process the audio stream.

71. (Original) A method as recited in claim 70, wherein the media

stream further comprises a non-video/non-audio data stream synchronized to the

video stream and the audio stream and wherein rendering further comprises

processing the non-video/non-audio data stream at synchronized locations within

the video stream and the audio stream.

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72. (Currently Amended) A method comprising:

receiving a media stream from a source;

determining the source of the media stream;

determining if the source can deliver the media stream at an accelerated

bit rate without intentionally dropping data from the media stream; and

enabling or disabling variable play speed controls depending on the source

and on whether the source can deliver the media stream at the accelerated bit

rate without intentionally dropping data from the media stream.

73. (Currently Amended) A method as recited in claim 72, further

comprising:

enabling the variable play speed controls if the source is a streaming

media server capable of delivering the media stream at the accelerated bit rate;

and

disabling the variable play speed controls if the source is a streaming

media server that is not capable of delivering the media stream at the

accelerated <u>bit</u> rate.

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74. (Currently Amended) A method as recited in claim 72, wherein

the source is a Web web server delivering the media stream as a progressively

downloaded file, the method further comprising:

disabling the variable play speed controls while the progressively

downloaded file is being delivered; and

enabling the variable play speed controls after the progressively

downloaded is completely downloaded.

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